

AMOXILEK[®]

Suspension for injection

Description

Yellowish-white suspension.

Composition

1 ml of the drug contains:

active ingredients: amoxicillin (amoxicillin trihydrate) – 150 mg;

gentamicin (gentamicin sulfate) – 40 mg;

excipient - vegetable oil.

Pharmacological properties

ATC vet: QJ01RA01. Antibacterials for systemic use. Combinations of antibacterials. Penicillins, combinations with other antibacterials.

Amoxicillin is a broad-spectrum bactericidal antibiotic of the penicillin group. It is effective against gram-positive strains of *Staphylococcus spp.*, which do not produce penicillinase, *Clostridium spp.*, *Arcanobacterium spp.*, *Bacillus anthracis*, *Listeria monocytogenes*, *Erysipelothrix rhusiopathiae*) and gram-negative microorganisms (*Pasteurella spp.*, *Mannheimia haemolytica*, *Haemophilus spp.*, *Actinobacillus spp.*, *Escherichia coli*, *Salmonella spp.*, *Moraxella spp.* and *Fusobacterium spp.*). Amoxicillin inhibits synthesis of mucopeptide – one of the components of bacterial cell wall, which strengthens mechanical stability of microorganism and makes destructive impact upon bacterium in its growth stage.

Gentamicin belongs to aminoglycoside antibiotics. It makes bactericidal effect upon gram-negative microorganisms, that is: *Enterobacter aerogenes*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Salmonella spp.* and *Shigella spp.* Gentamicin is also effective against such gram-positive bacteria as *Treponema hyodysenteriae*, *Staphylococcus aureus* and β -hemolytic *Streptococcus*. It produces direct effect upon ribosomes, where it inhibits biosynthesis of proteins and decreases accuracy of translation of genetic code. Penetration of gentamicin into bacterial cell strengthens in case cell wall permeability increases due to the effect of amoxicillin. Such synergism makes it possible to use less aminoglycosides.

The combination of amoxicillin and gentamicin creates broad antibacterial spectrum of action of the drug upon gram-positive (mostly streptococci, staphylococci and corynebacteria) and gram-negative microorganisms (particularly, *Escherichia coli*, *Pasteurella spp.*, *Salmonella spp.* and *Pseudomonas spp.*). Such a combination improves therapeutic properties of either antibiotic applied individually.

Administration

Treatment of animals against diseases caused by amoxicillin- and gentamicin-sensitive microorganisms:

swine: pneumonia, diarrhea, enteritis, colibacteriosis, metritis, mastitis;

sheep and goats: pneumonia, diarrhea, enteritis, pasteurellosis, colibacteriosis;

cattle: pneumonia, diarrhea, enteritis, mastitis, metritis, superficial abscess;

horses: pneumonia, diarrhea, enteritis, superficial abscess, genitourinary and limb diseases.

Dosage

Administer the drug intramuscularly in a dose of 1 ml per 10 kg body weight of an animal once daily for 3-5 days. Shake the vial thoroughly before use.

Contraindications

Do not prescribe to animals with individual hypersensitivity to amoxicillin and gentamicin. Do not use in non-target animals. Do not administer to rabbits, hamsters, guinea pigs and other small herbivorous animals. Do not administer to animals with kidney function, hearing organs and vestibular system disorders.

Precautions

Animal slaughter for meat is possible in 30 days following the last administration. Consumption of milk by people is possible in 3 days following the last administration. Meat and milk obtained before the mentioned term shall be utilized or fed to non-productive animals depending on the statement of veterinary physician. It is recommended to administer the drug in two body areas of an animal to increase absorption of high drug doses in body tissues.

Packaging

Glass vials of 100 ml with rubber stoppers and aluminum caps.

Storage

Store in a dry dark place out of the reach of children at 15-30°C.

Shelf life

2 years.

28 days following the first sampling from the vial in case of storage in a dark place at 2-8°C.